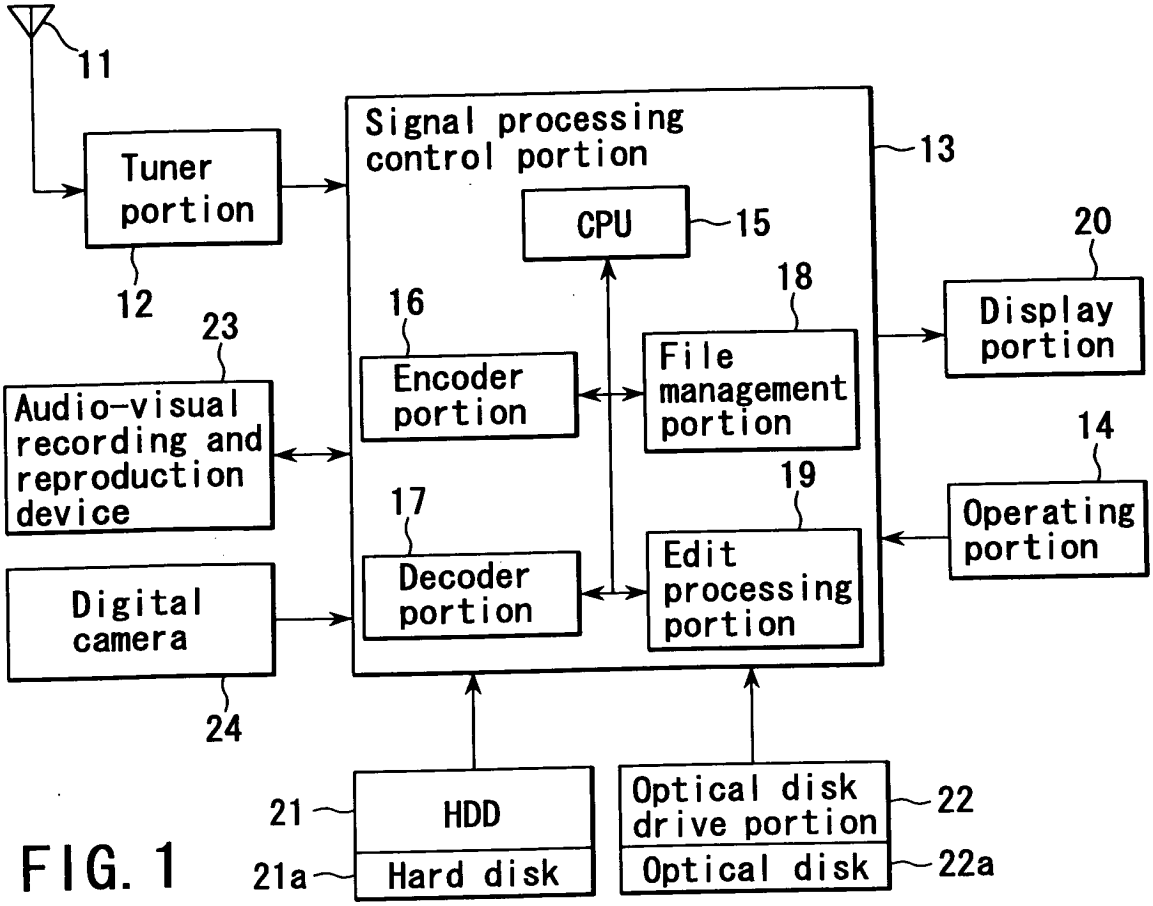
11
Tuner portion
12
Signal processing control portion
13
CPU
15
16
Encoder portion
17
Decoder portion
18
File management portion
19
Edit processing portion
20
Display portion
14
Operating portion
23
Audio-visual recording and reproduction device
Digital camera
24
21
HDD
21a
Hard disk
Optical disk drive portion
22
Optical disk
22a

FIG. 1

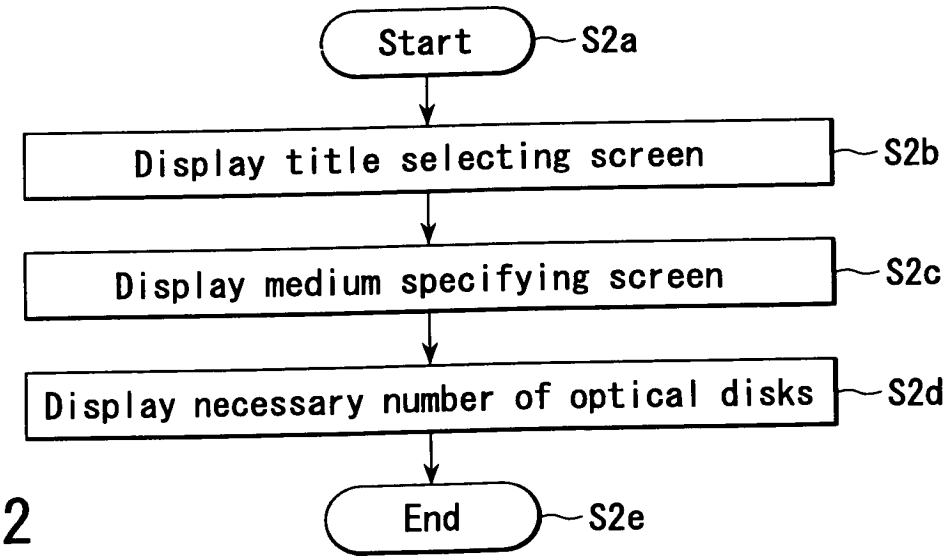
Start
S2a
Display title selecting screen
S2b
Display medium specifying screen
S2c
Display necessary number of optical disks
S2d
End
S2e

FIG. 2

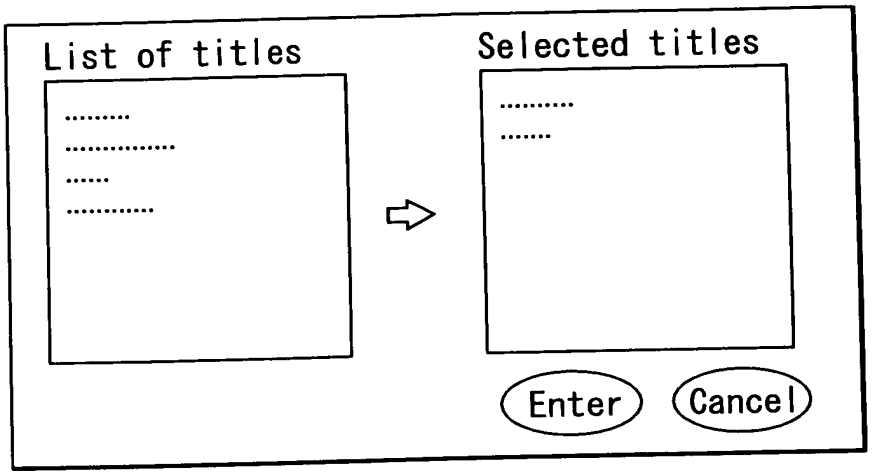

FIG. 3A

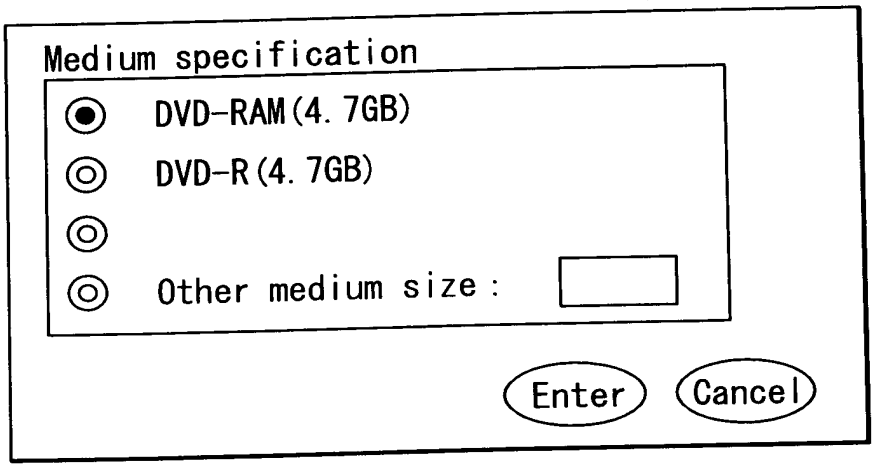

FIG. 3B

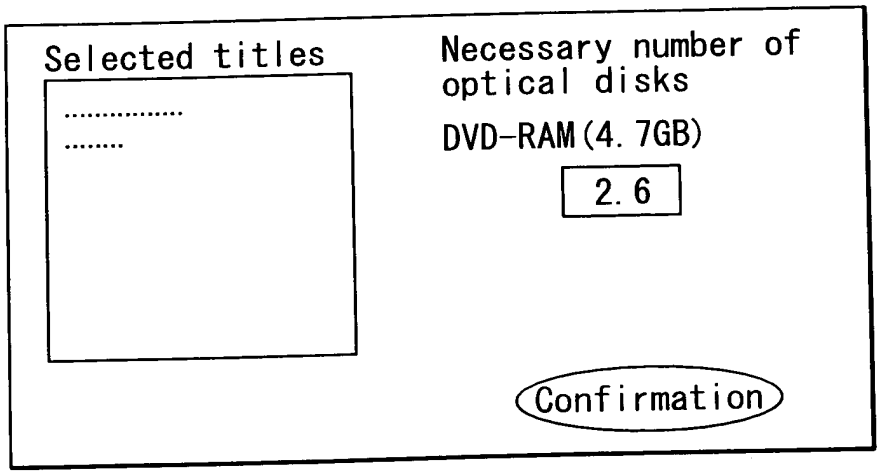

FIG. 3C

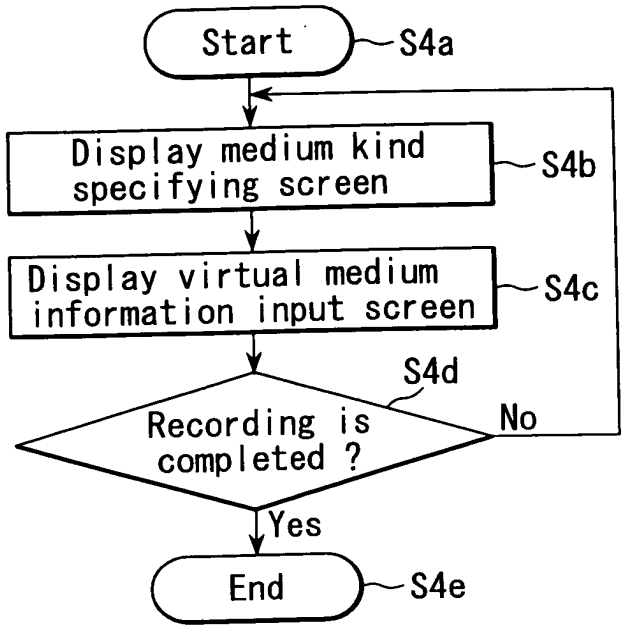

FIG. 4

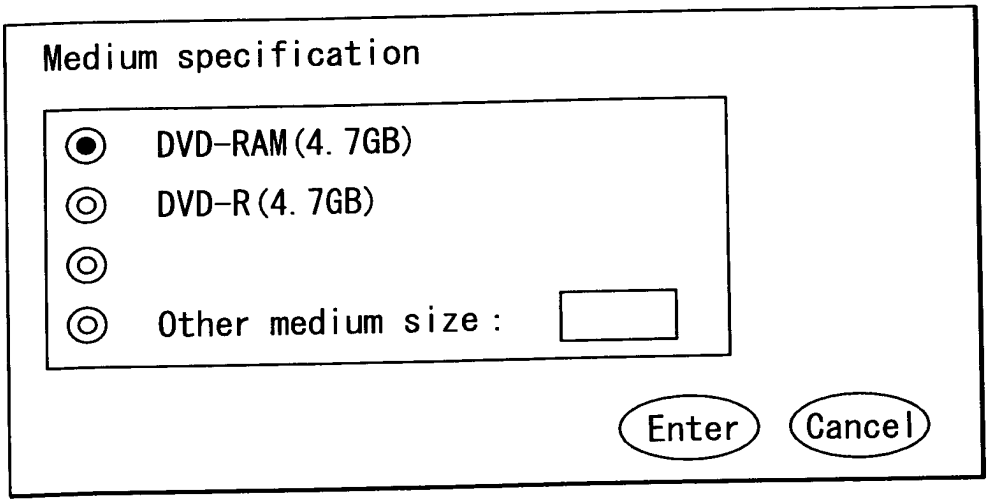

FIG. 5A

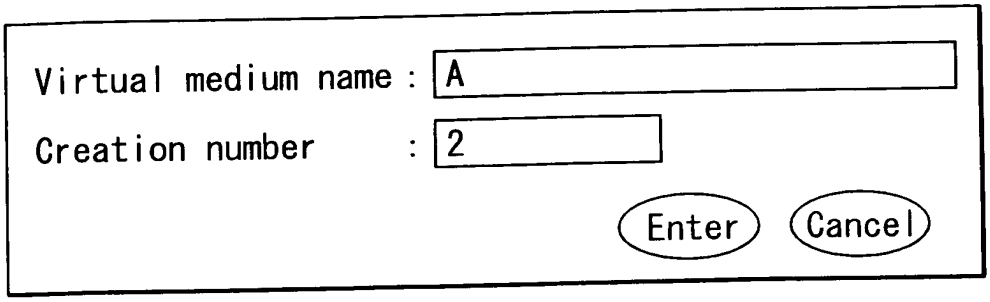

FIG. 5B

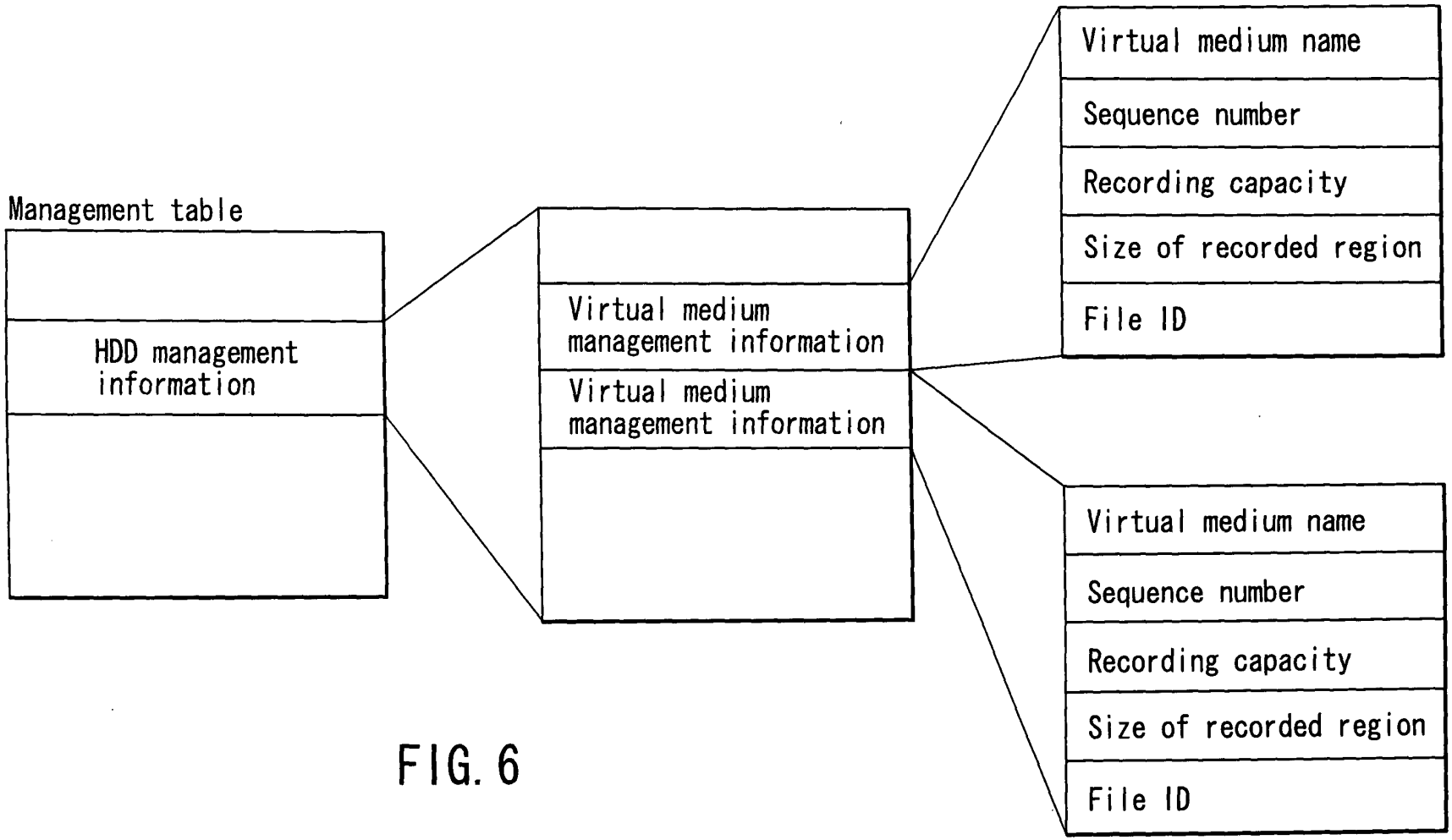
Management table
HDD management information
Virtual medium management information
Virtual medium management information
Virtual medium name
Sequence number
Recording capacity
Size of recorded region
File ID
Virtual medium name
Sequence number
Recording capacity
Size of recorded region
File ID

FIG. 6

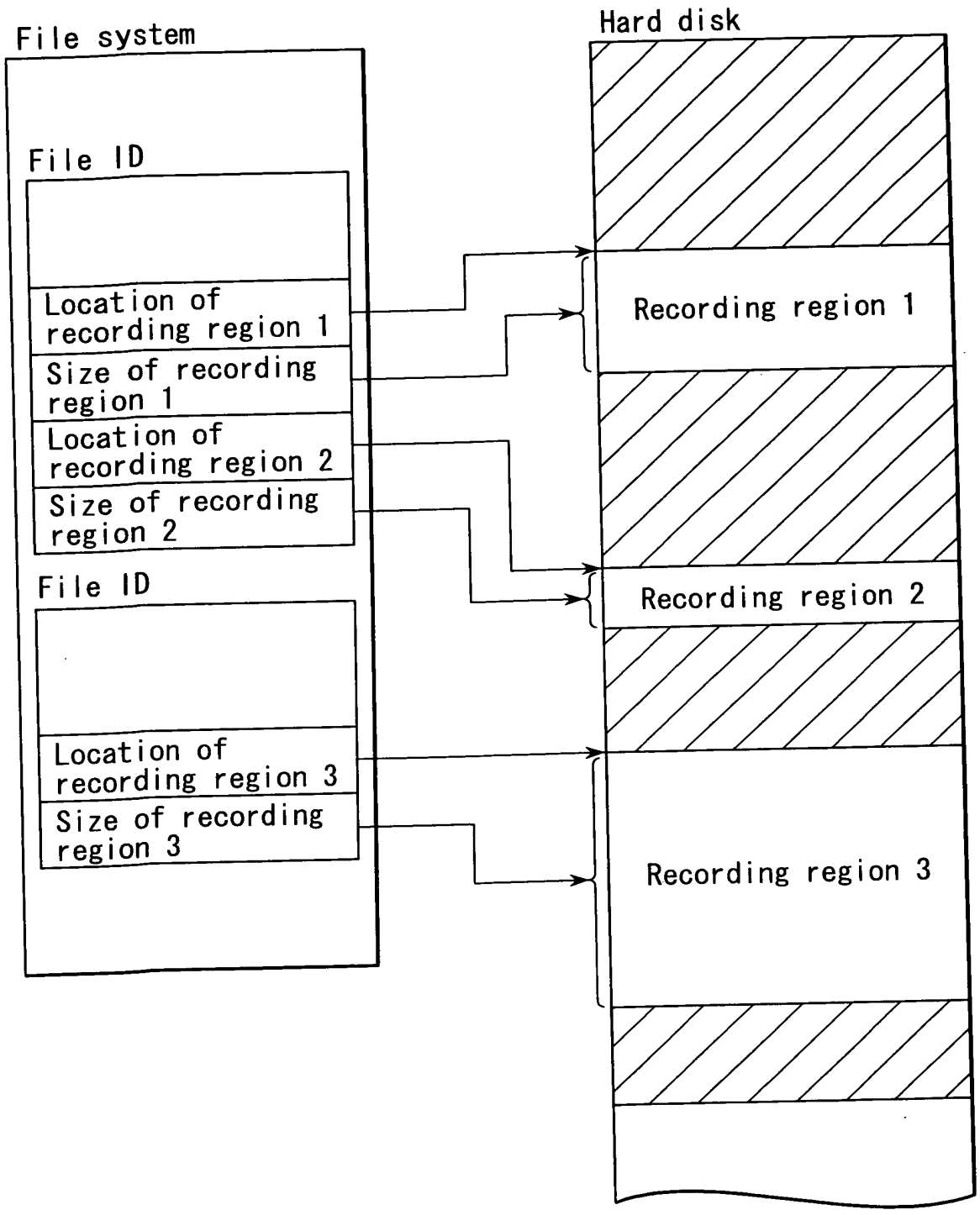
File system
File ID
Location of recording region 1
Size of recording region 1
Location of recording region 2
Size of recording region 2
File ID
Location of recording region 3
Size of recording region 3
Hard disk
Recording region 1
Recording region 2
Recording region 3

FIG. 7

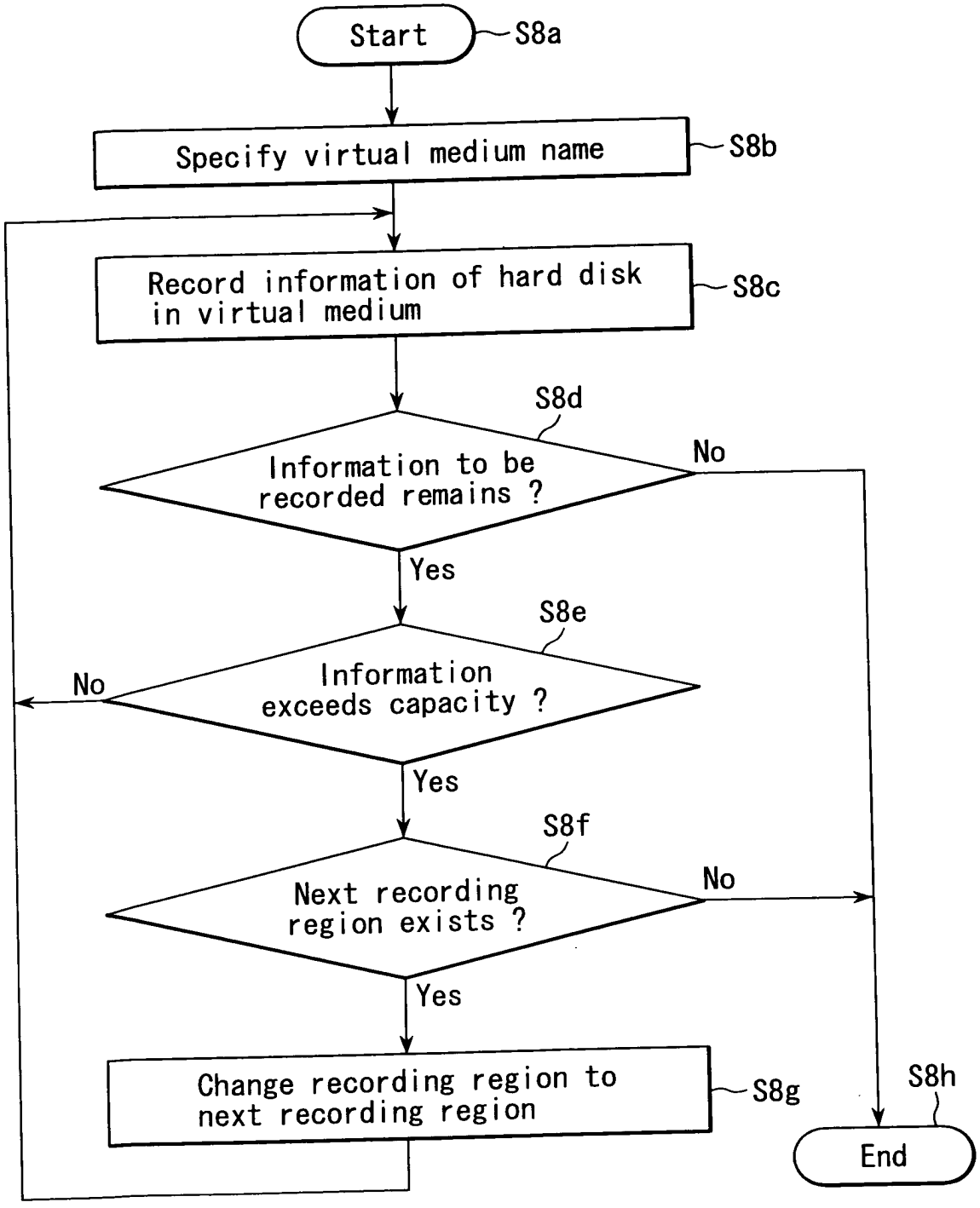
Start
S8a
Specify virtual medium name
S8b
Record information of hard disk in virtual medium
S8c
S8d
Information to be recorded remains ?
No
Yes
S8e
Information exceeds capacity ?
No
Yes
S8f
Next recording region exists ?
No
Yes
Change recording region to next recording region
S8g
S8h
End

FIG. 8

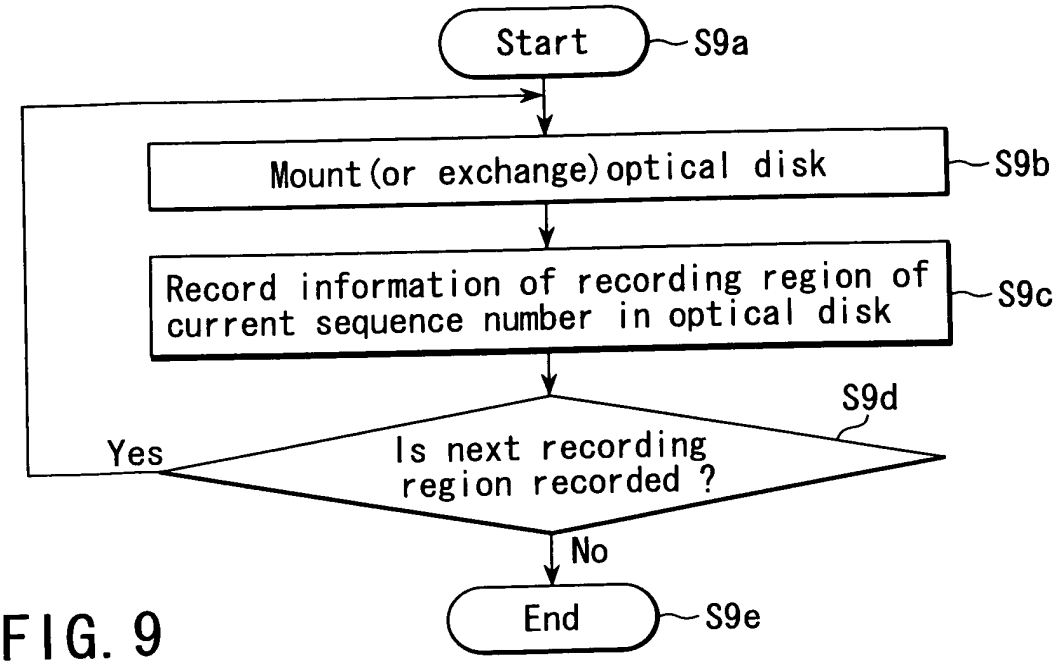
Start
S9a
Mount (or exchange) optical disk
S9b
Record information of recording region of current sequence number in optical disk
S9c
S9d
Is next recording region recorded ?
Yes
No
End
S9e

FIG. 9

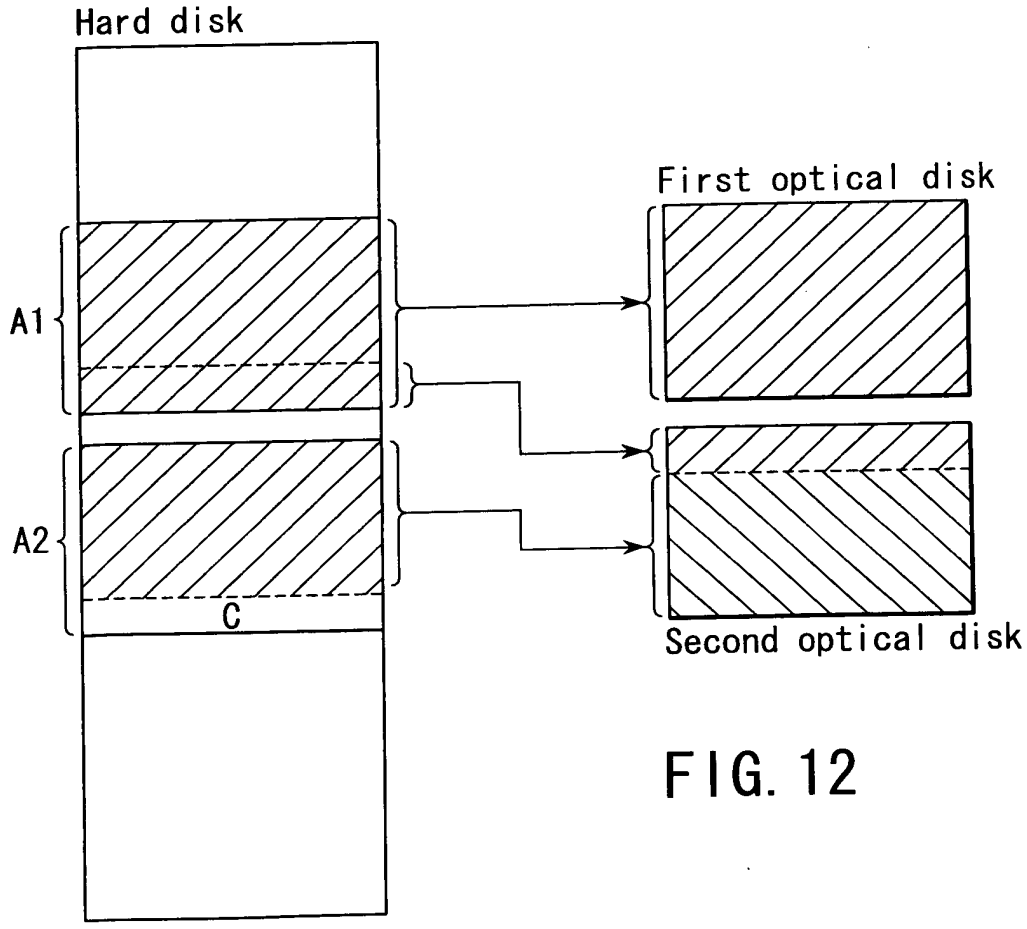
Hard disk
A1
A2
C
First optical disk
Second optical disk

FIG. 12

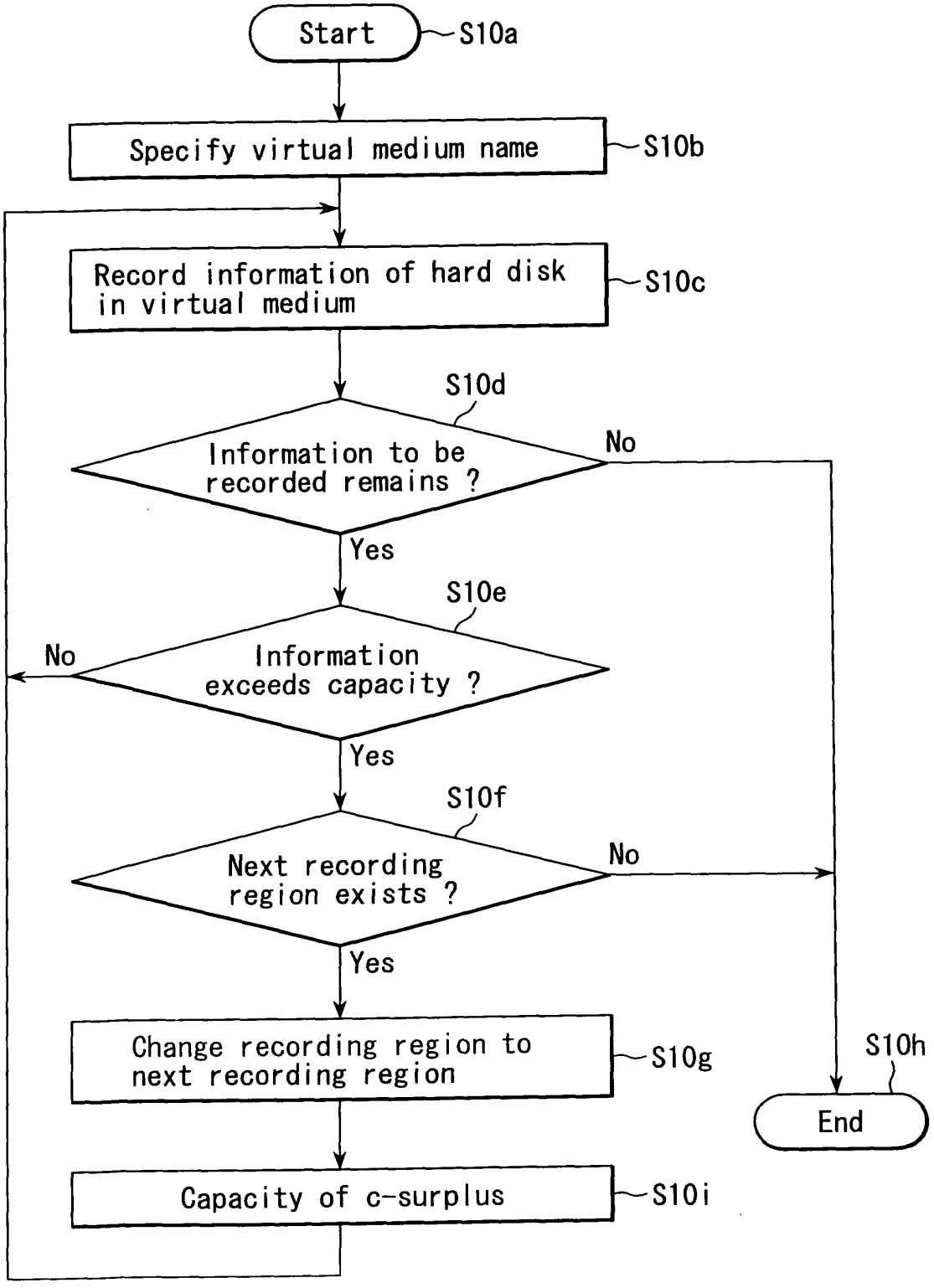
Start
S10a
Specify virtual medium name
S10b
Record information of hard disk in virtual medium
S10c
S10d
Information to be recorded remains ?
No
Yes
S10e
Information exceeds capacity ?
No
Yes
S10f
Next recording region exists ?
No
Yes
Change recording region to next recording region
S10g
Capacity of c-surplus
S10i
S10h
End

FIG. 10

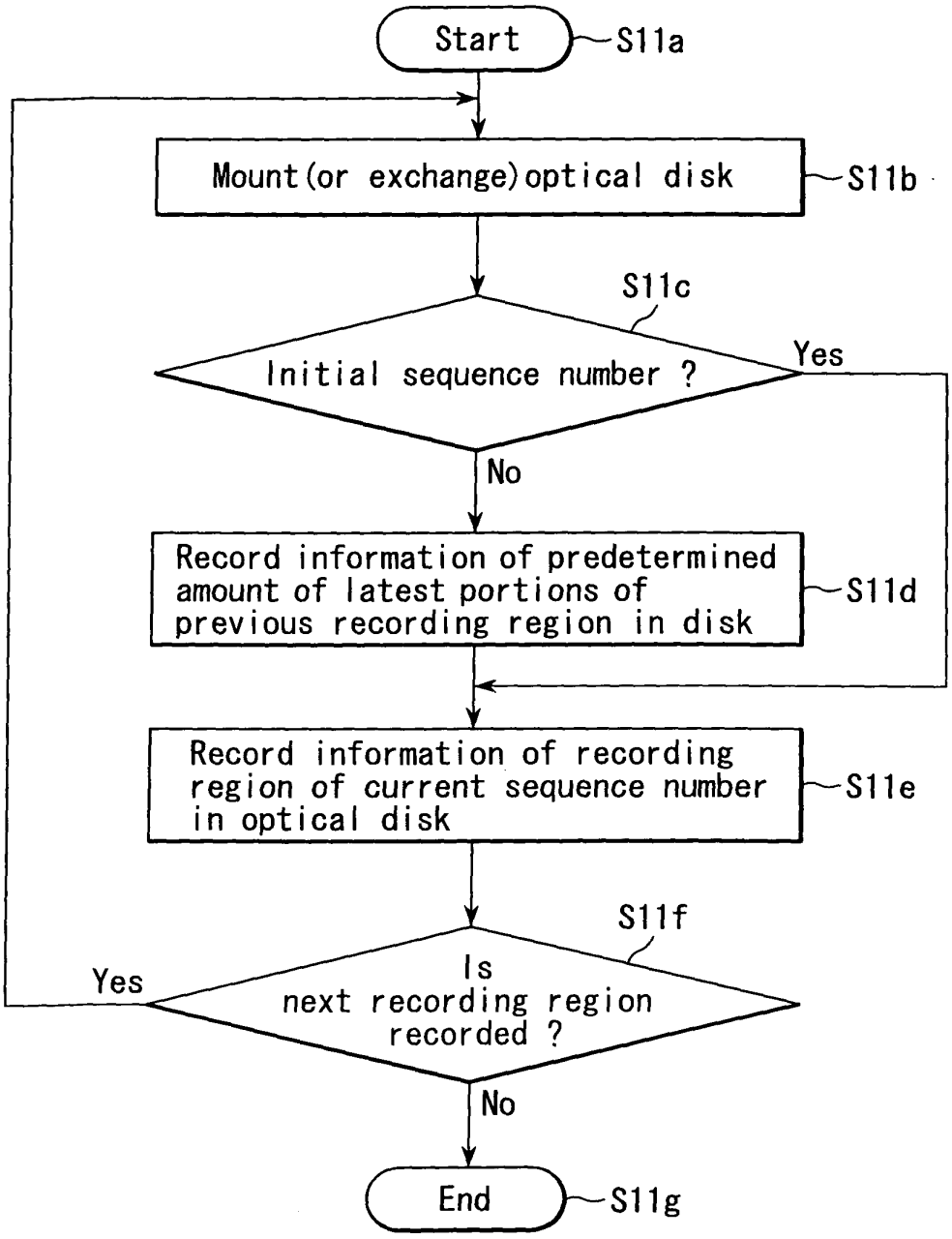
Start
S11a
Mount(or exchange)optical disk
S11b
S11c
Initial sequence number ?
Yes
No
Record information of predetermined amount of latest portions of previous recording region in disk
S11d
Record information of recording region of current sequence number in optical disk
S11e
S11f
Is next recording region recorded ?
Yes
No
End
S11g

FIG. 11

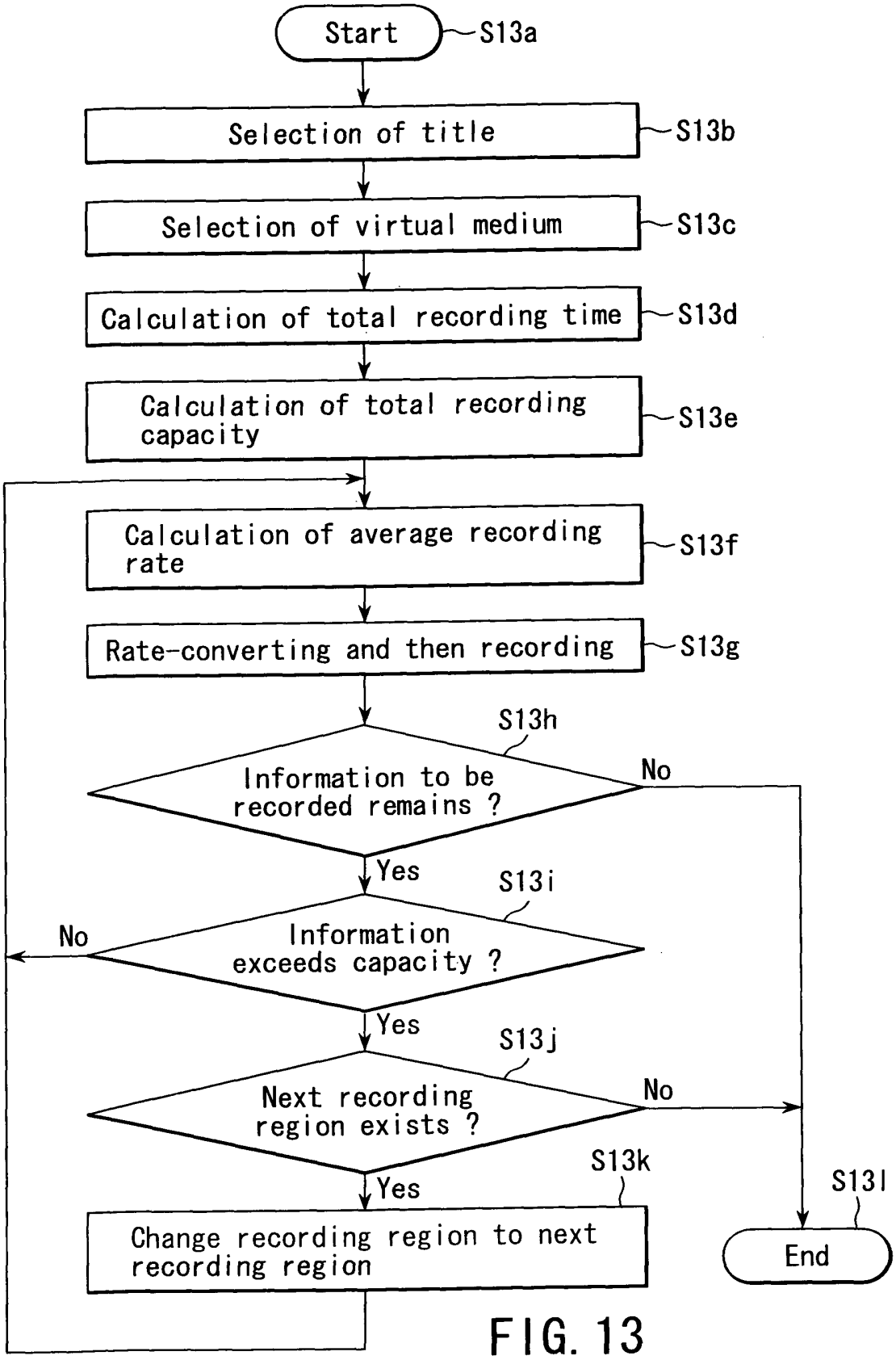
Start
S13a
Selection of title
S13b
Selection of virtual medium
S13c
Calculation of total recording time
S13d
Calculation of total recording capacity
S13e
Calculation of average recording rate
S13f
Rate-converting and then recording
S13g
S13h
Information to be recorded remains ?
No
Yes
S13i
Information exceeds capacity ?
No
Yes
S13j
Next recording region exists ?
No
Yes
S13k
Change recording region to next recording region
S13l
End

FIG. 13